

COAXTHERM®

W5BA5 - 50
50 Ohms

- 1 • Silver-plated copper clad-steel rigid core (CCSAg)
- 2 • Fluoropolymer dielectric
- 3 • Silver plated copper braid
- 4 • Fluorinated polymer PFA



Colour code

- White jacket

For any other request: please contact us

Applications

Data transmission in high temperature environment for aerospace and defence industries

Characteristics

- **Thermal**
Continuous operating temperature: **-90°C to +260°C**
- **Chemical**
Resistance to chemical environments: ★★★★★
Resistance to humidity: ★★★★★
- **Fire-smoke**
Flame retardant

CONSTRUCTION

INNER CONDUCTOR (1)		DIELECTRIC (2)	OUTER CONDUCTOR (3)	OUTER SHEATH (4)	Approx. linear weight (kg / km)
Stranding (n x mm)	Nominal diameter (mm)	Nominal diameter (mm)	Nominal diameter (mm)	Nominal diameter (mm)	
1 x 0.17	0.17	0.52	0.92	1.30	4.3

DATA TRANSMISSION CHARACTERISTICS

Impedance	50 Ω
Capacitance max	105 pF / m
Use frequency max	3 GHz
Velocity of propagation	69.5%
Operating voltage	250 V

SIGNAL ATTENUATION

Frequency (MHz)	Nominal attenuation (dB / 100 m)
10	19
100	60
400	120
1,000	200
2,000	280
3,000	340

CGP SAS
62 route du Coin
42400 Saint-Chamond
FRANCE
Phone: **+33 (0)4 77 31 02 54**
www.omerin.com



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